

Parachute, MC1 Series



Mission

Enable parachuting Soldiers to steer toward a specific impact point in the drop zone into winds up to 13 knots via a static line-deployed parachute usable by small teams during airborne operations and training.

Description and Specifications

The **Parachute, MC1 Series** is deployed using either a 15-foot or 20-foot static line, allowing the parachutist to be delivered by either C-130 or C-17 U.S. Air Force aircraft. The parachute is a parabolic shape with a H-TC shape configuration in the rear, with 60 square feet of canopy removed. This enables the canopy to turn 360 degrees in 7.7 seconds with a forward thrust of 8 knots (9.5 mph) or 14 feet per second. Depending upon air density and the jumper's total weight, the average rate of descent is 18 feet per second. Total suspended weight limitation is 360 pounds. The parachute has:

- Nominal diameter of 35 feet
- Thirty suspension lines
- Two control lines
- Mesh anti-inversion net

The parachute assembly consists of five components:

- Pack tray
- Troop harness
- Deployment bag
- Riser
- Canopy

The parachute has a combined service life of 16.5 years; service life is 12 years and shelf life is 4.5 years. The parachute must be repacked every 120 days. It is made of nylon cloth, webbings, and cords commonly used in the manufacturing of parachutes.